COLLECTION

OF

WILLIAM SCHAUS

PRESENTED

TO THE

NATIONAL MUSEUM

MCMV

§
Insects

QL
555
A1 E77
1829
[plates v.5]
SCNHRB

Plates vol. 4, pt. 2.

Schaus Coll.

SMITHSONIAN INSTITUTION
292905
C
U. S. NATIONAL MUSEUM.

16

142095 Smithso

Fig. 1.

Fig. 2

fig. 3.

fig. 4.

27

fig. 5

Fig. 6

Fig. 7

Phalaen europ.

Noctuae spirit. Fig. 1. mas. fig. 4. foem. *Ochroleuca.* Fig. 2. mas. fig. 3. foem.
Radiata. Fig. 5. foem. Fig. 6. mas. *Nictitans. Linn. Sp. 141.*
Fig. 7. *Didyma.*

I. C. Bock sc.

DSI

Fig. 1.

Fig. 2.

fig. 3.

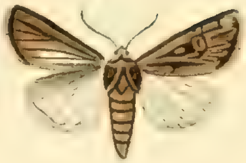


Fig. 6.

Fig. 4.

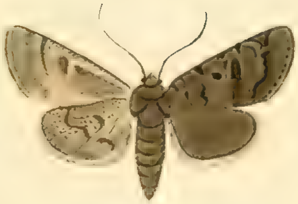


Fig. 5.

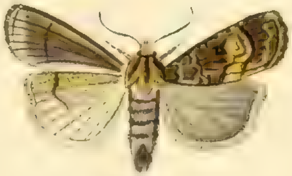


Fig. 7.

Phalaen. europ

ctuae spirit. dors. crist. Fig. 1. *Rectilinea*. Fig. 2. mas. fig. 3. fem. *Dentina*
Fig. 4. *Favillacea*. Fig. 5. *Polluta*. Fig. 6. *Nigrofusca*. Fig. 7. *Nigrofulva*

J. C. Bock f.

Fig. 1.

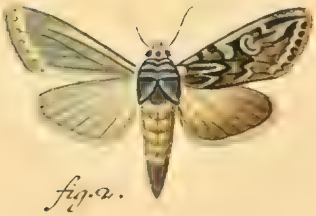


fig. 2.

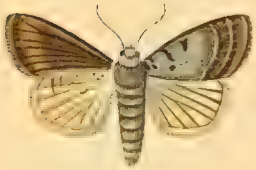


Fig. 3.

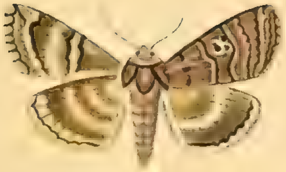


Fig. 4.

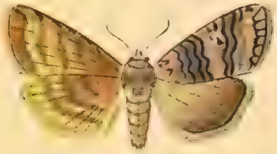


fig. 5.

fig. 6.

Phalaen europ.

Noctuae ſpiril. *Fig. 1. mas,* *fig. 2. foem. Artemiſiae.* *Fig. 3. Glareoſa.*
Fig. 4. mas, *fig. 5. 6. Variet. Octogena.*

I. C. Bock fc.

Fig. 1.

fig. 2.

fig. 3.

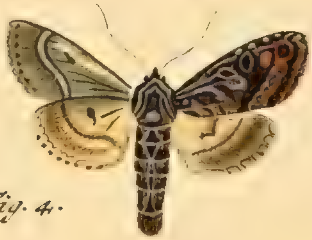


Fig. 4.

Fig. 5.

Phalaen. europ.

Noctuae spiril. d. crist. Fig. 1. Larva, fig. 2. Chrys. fig. 3. imago maris.

Persicariae. Linn. sp. 142. Fig. 4. Accipitrina. Fig. 5. Labecula.

I. C. Bock. sc.

Fig. 1.

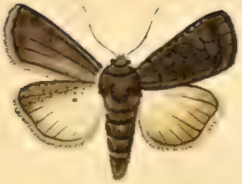


Fig. 2.

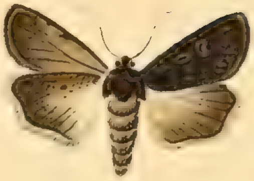


fig. 3.

Fig. 4.

Fig. 5.

Fig. 6.

Phalaen. europ.

Noctuae spiril. *Fig. 1. Scotopacina.* *Fig. 2. mas.* *fig. 3. fem. Rubricans.*
Fig. 4. Filograna. *Fig. 5. Platyptera.* *Fig. 6. Oxyptera.*

I. C. Bock sc.

Fig. 1. Fig. 2. Fig. 3. fig. 4. Fig. 5.

Phalaen. europ.

Noctuae spirit. Fig. 1. Bifurca. Fig. 2. Omega. Fig. 3. mas. fig. 4. foem. Lateritia. Fig. 5. Trimaculosa.

I. C. Bock. fc.

Fig. 1.

fig. 2.

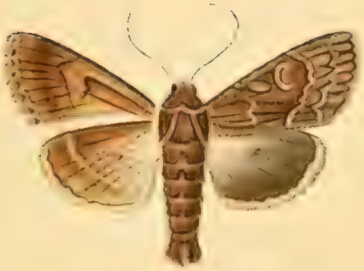


Fig. 3.

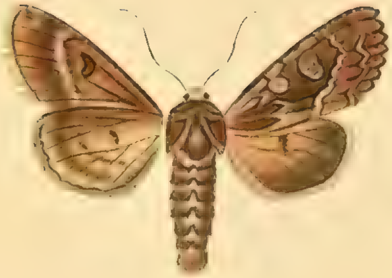


fig. 4.

Phalaen europ

Noctuae spiril. Fig. 1. foem. fig. 2. maris. Variet. Bimaculosa.

Linn Sp. 184. Fig. 3. mas. fig. 4. foem. Occulta. Linn. Sp. 147.

I.C. Bock fc.

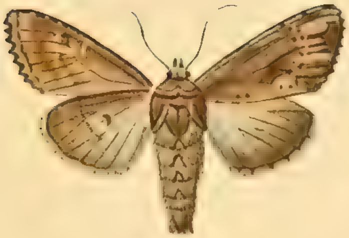


Fig. 1.

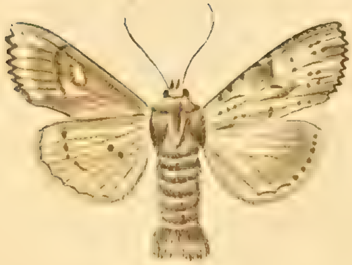


fig. 2.

fig. 3.

Fig. 4.

Fig. 5.

fig. 6.

Phalaen. europ.

Noctuae ſpiril. Fig. 1. mas, fig. 2. foem. Var. Subluſtris. fig. 3. foem.
Fig. 4. mas, Luculenta. Fig. 5. mas, fig. 6. foem. Umbroſa.

C. I. Bock. ſc.

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Fig. 6.

Phalaen. europ.

Noctuae ſpir l. Fig. 1. Affinis. Linn. ſp. 144. Fig. 2. Diffinis. Linn. Sp. 146. Fig. 3. Perſpicillaris. Linn. Sp. 148. Fig. 4. Conſpicillaris. Linn. ſp. 149. Fig. 5. 6. Varietates eiuſd. Sp.

I. C. Bock. fc.

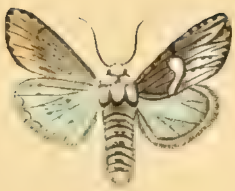


Fig. 1.

Fig. 2.

Fig. 3.

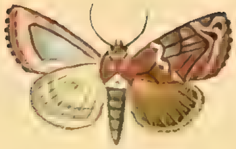


Fig. 4.

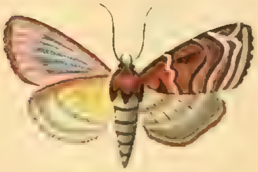


Fig. 5.

Phalaen. europ.

Noctuae spir. I. Fig. 1. Conspicillaris Var. Tab. anteced. Fig. 2. Florentina
Fig. 3. Alchimista Fig. 4. mas, Fig. 5, foem. Corusca

I. C. Bock sc.

Phalaen. europ.

Noctuae spirit. dorso crist. Fig. 1. mas. fig. 2. foem. fig. 3. maris Varietas W latinum. Fig. 4. marmorosa. Fig. 5. fig. 6. Varietas Primulae.

I.C. Bock sc.

Phalaen. europ.

Noctuae spir. crist. Fig. 1, mas, fig. 2, larva, fig. 3, chryſ. Umbratica Linn
Sp. 150. Fig. 4, mas, fig. 5, larva, fig. 6, chryſ. Lactucae

I. C. Bock. ſc.

Phalaenar. europ.

Noctuae spiril. crist. Fig. 1. imago, fig. 2. larva, fig. 3. chryalis, Exoleta, Linn. sp. 151. Fig. 4. mas. fig. 5. foem. Putris, Linn. sp. 152.

I. C. Bock fc.

Phalaenar. europ.

Noctuae spir. d. crist. Fig. 1. imago, fig 2 larva. fig. 3, 4, chrysalis.
Verbasci Linn. sp. 133. Fig. 5. Heliconia Linn. sp. 112

I. C. Bock sc

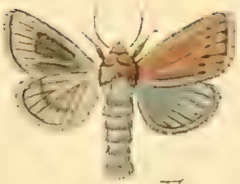


Fig. 1.

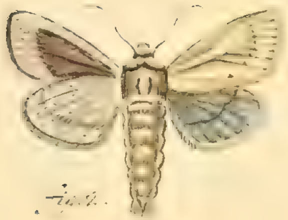


fig. 2.

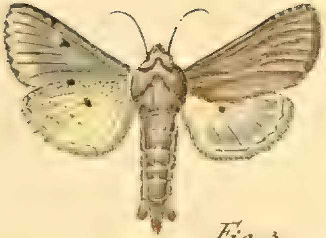


Fig. 3.

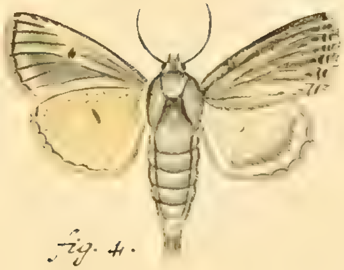


fig. 4.

fig. 5.

Phalaen. europ.

Noctuae spiril. crist. Fig. 1. mas, fig. 2. foem. Algae. Fig. 3. mas, fig. 4. foem, fig. 5. Variet. Typhae.

I. C. Bock.

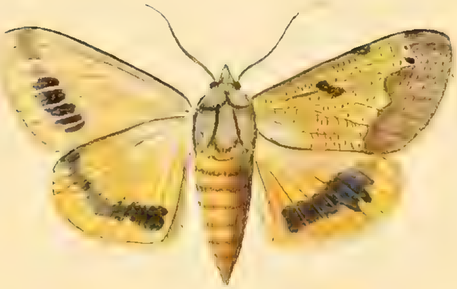


Fig.1.

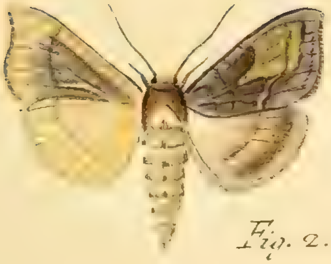


Fig. 2.

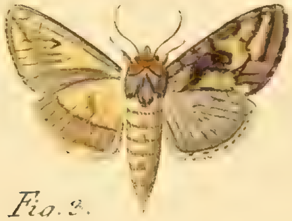


Fig. 3.

Fig. 4.

Phalaen.europ

Noctuae ſpirit. crist. Fig.1. Veſta. Fig.2. Chryſin. Fig.3. Chalcites. Fig.4. Areola.

I.C.Bock. sc.

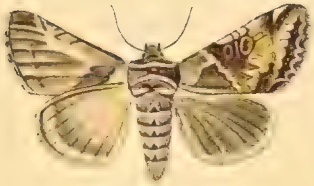


Fig. 1.

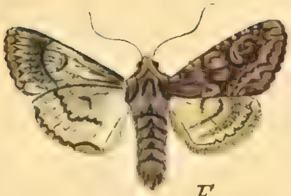


Fig. 2.

Fig. 3.

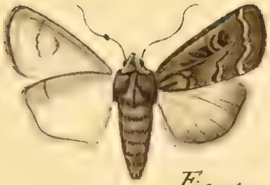


Fig. 4.

Fig. 5.

Fig. 6.

Phalaen. europ.

Noctuae spir. crist. Fig. 1, Derasa, Linn. Sp. 158. Fig. 2, Tenebrosa. Fig. 3, Nubila. Fig. 4, Obducta. Fig. 5, Austera. Fig. 6, Lucifera.

I. S. B.

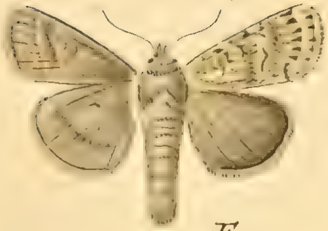


Fig.1.

Fig. 2.

Fig. 3.

Fig. 4.

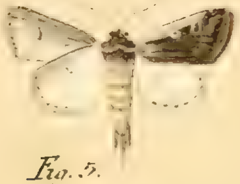


Fig. 5.

Fig. 6.

Phalaen. europ.

Noctuae spir. crist. *Fig. 1. mas,* *fig. 2. foem.* *fig. 3. Variet.* Radicea
fig. 4. foem. *Fig. 5. mas.* Plecta *Linn. Sp. 157.* *Fig. 6.* Vitta.

I. C. Bock sc.

Fig. 1.

fig. 2.

fig. 3.

fig. 4.

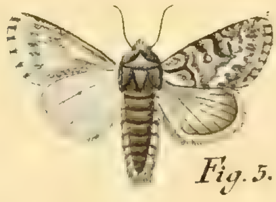


Fig. 5.

Phalaen. europ.

Noctuae spiril. crist. Fig. 1, imago, fig. 2, 3, larvae, fig. 4, chrysalis,
Megacephala. Fig. 5. Menyanthidis.

I. C. Bock sc.

Fig. 1.

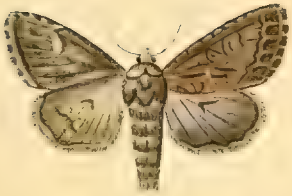


Fig. 2.

fig 3

Fig. 4.

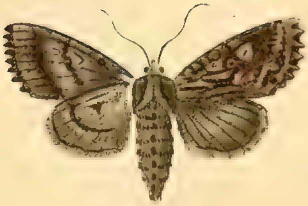


Fig. 5.

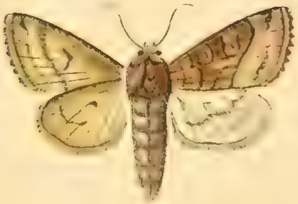


Fig. 6.

Phalaen. europ.

Noctuae spirit. Fig. 1. Ravida. Fig. 2. mas, fig. 3. foem. Corticea. Fig. 4. Triquetra. Fig. 5. Porphyrea. Fig. 6. Micacea.

I. C. Bock sc.

Fig. 1.

fig. 2.

fig. 3.

Fig. 4.

fig. 5.

fig. 6.

Fig. 7.

Phalaen. europ.

Noctuae spirit. *Fig. 1. mas, fig. 2. foem, fig. 3. Variet. Strigilis. Linn.*
Sp. 161. Fig. 4. foem. fig. 5. mas. fig. 6. Variet Aerata. Fig. 7.
Polygramma.

I.C.Bock

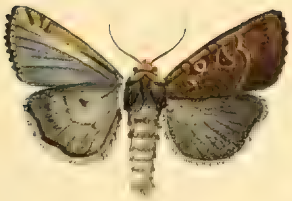


Fig.1.

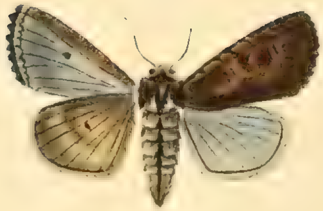


fig.2.

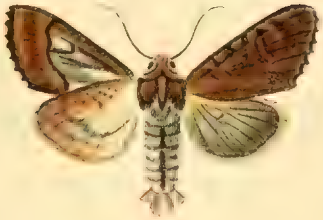


Fig.3.

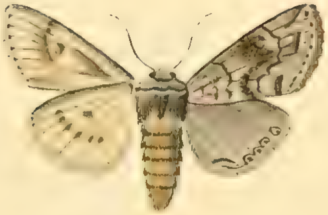


Fig.4.

Fig.5.

Phalaen. europ.

Noctuae ſpirit dorſo crist. Fig.1. mas. fig.2. foem. Ditrapezium
Fig.3. Alopecurus. Fig.4. Trigutta. Fig.5. muſicalis.

I.C.Bock fc.

Fig.1.

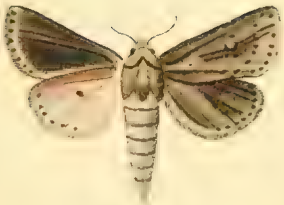


Fig.2.

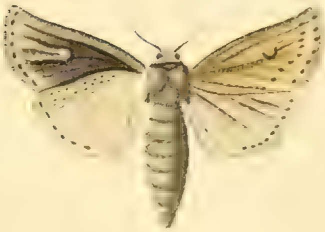


fig.3.

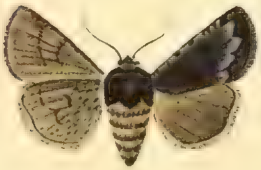


Fig.4.

Phalaen. europ.

Noct spirit. Fig.1. Nervosa. Fig.2. mas, fig.3. foem. Sparganii. Fig.4. Mucida.

I.C. Bock sc.

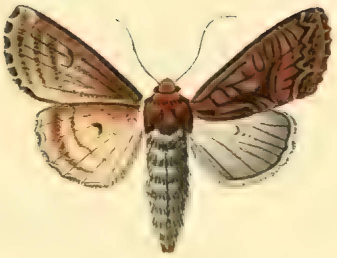


Fig.1.

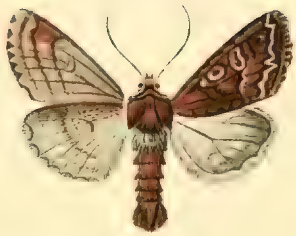


fig.2.

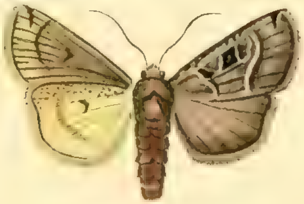


Fig.3.

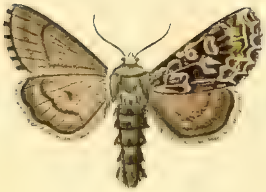


Fig.4.

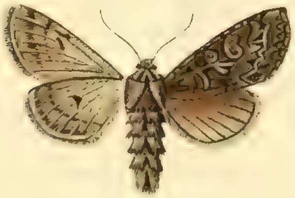


fig.5.

Phalaen. europ.

Noct. ſpiril. dorſo. criſt. Fig.1, foem. fig.2, mas. Aduſta. Fig.3. Rhomboidea

Fig.4, mas, fig.5, foem. Nana.

I.C.Bock fc.

Phalaen. europ.

Noct. spirit. Fig. 1. Millegrana. Fig. 2. Bigramma. Fig. 3. leucographa.
Fig. 4, mas, fig. 5. foem. Segetum. Fig. 6. Protea.

I.C. Bock. fe.

Phalaen. europ.

Noctuae spiril. *Fig. 1. Turbida.* *Fig. 2. Contacta.* *Fig. 3 Instabilis.* *Fig. 4.*
Radica. *Fig. 5. Pulmonaris.*

I.C. Bock sc.

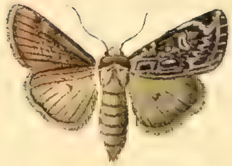


Fig. 1.

Fig. 2.

Fig. 3.

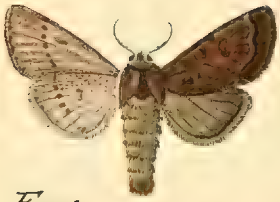


Fig. 4.

Fig. 5.

Fig. 6.

Phalaenar. europ.

Noctuae ſpirit. Fig. 1. Concinna. Fig. 2. Lepida. Fig. 3. Impreſſa. Fig. 4. Cruda.
Fig. 5. Saucia. Fig. 6. Collinita.

I. C. Bock f.

Phala en. europ.

Noctuae spiril. Fig. 1. Flavicinta maior, fig. 2. larva, fig. 3. chrysal. Fig. 4. Dysodea fig. 5 larva, fig. 6. chrysal. Fig. 6. foem. fig. 7. mas, Flavicinta minor

I. C. Bock fe.

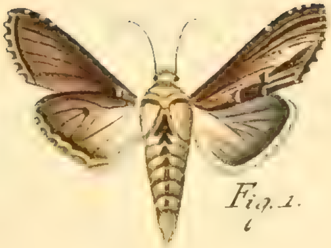


Fig. 1.

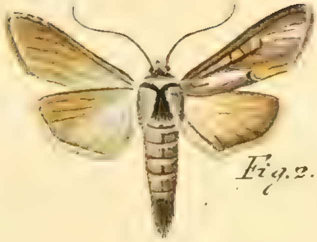


Fig. 2.

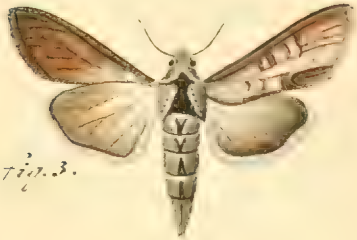


Fig. 3.

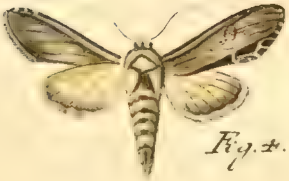


Fig. 4.

Phalaenar europ.

Noctuae spirit. Fig. 1. Scrophulariae. Fig. 2, mas, fig. 3, fem. Asteris.
Fig. 4. Blattariae.

I. C. Bock. sc.

Fig. 1. fig. 2. Fig. 3. fig. 4. fig. 5. fig. 6.

Phalaen. europ.

Noctuae spirit. *Fig. 1, mas,* *fig. 2, foem. Dichroma.* *Fig. 3, mas fig. 4, 5, 6. Varietates, Monochroma.*

I. C. Bock fc.

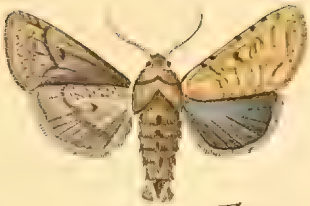


Fig. 1.

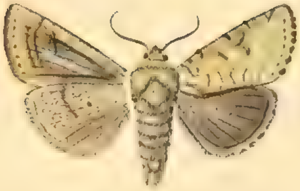


fig. 2.

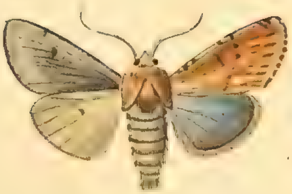


Fig. 3.

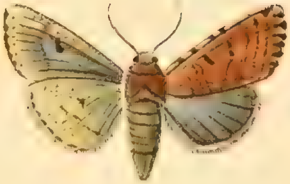


fig. 4.

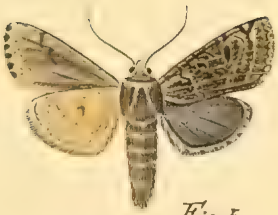


Fig. 5.

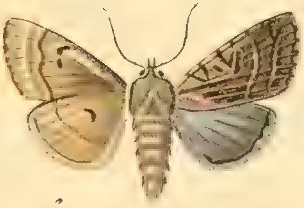
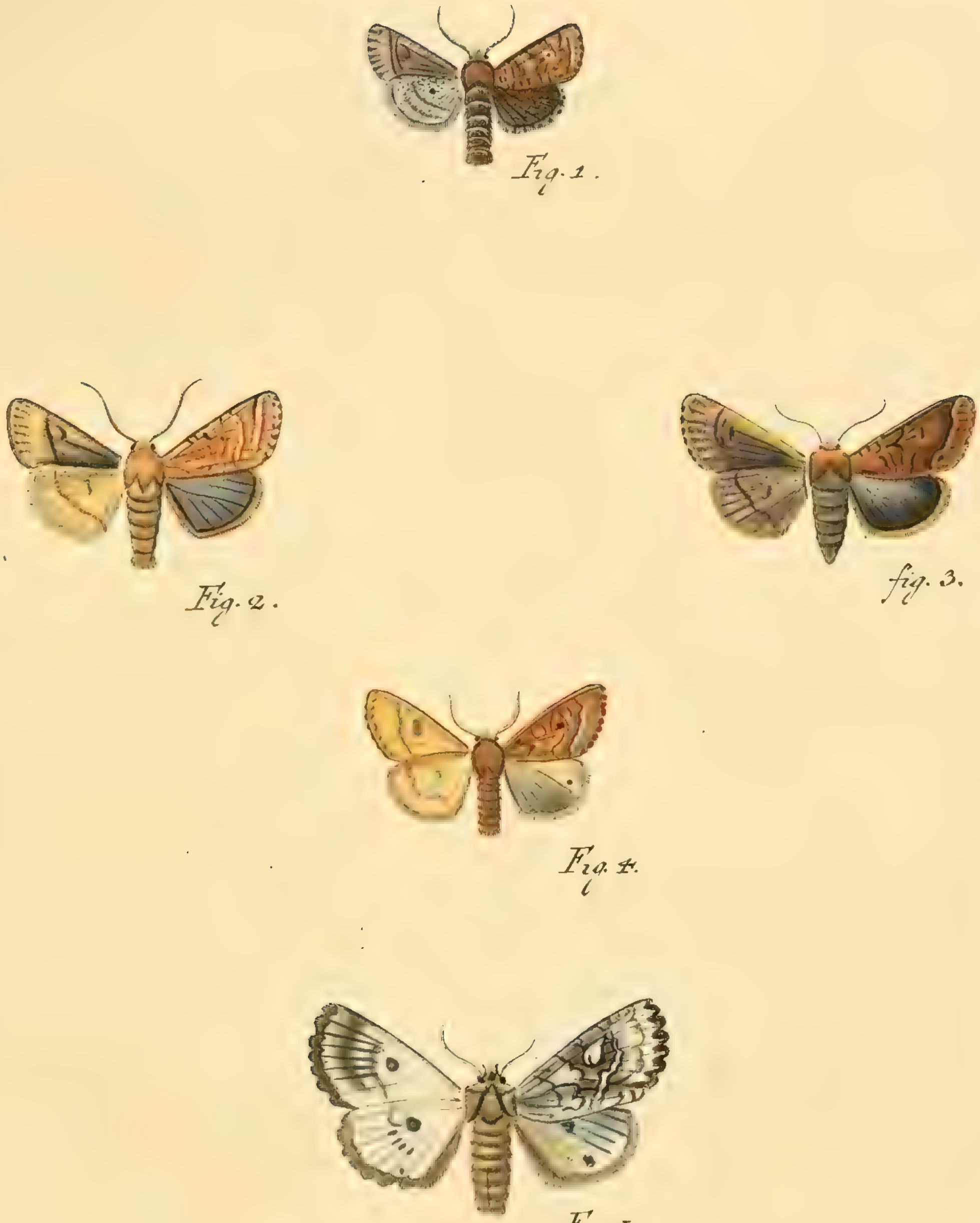


fig. 6.

Phalaen. europ.

Noctuae spir: Fig. 1, mas, fig. 2, foem. Serina. Fig. 3, mas, fig. 4, foem. Rubetra.
Fig. 5, mas, fig. 6, foem. Canaria

I.C. B.



Phalaen. europ.

Noctuae spiril. Fig. 1. Ruticilla. Fig. 2, mas, fig. 3, foem. Schoenobaena. Fig. 4. Rubecula. Fig. 5. Bimaculosa italica Linn.

I.C.Bock fc.

Fig. 1.

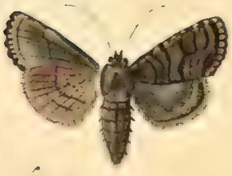


fig. 2.

Fig. 3.

fig. 4.

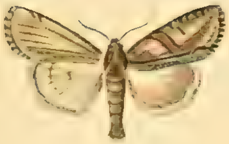


Fig. 5.

fig. 6

Phalaen. europ.

Noctuae spirit. *Fig. 1. mas. fig. 2. foem. Furva. Fig. 3. mas fig. 4. foem. Degener*
Fig. 5. mas. fig. 6. foem. Divisa.

I. C. Bock. sc.

Phalaen. europ.

Noctuae ſpirit. dorſo criſt. Fig. 1, mas, fig. 2, foem. fig. 3, chryſ. fig. 5, 6, larvae, Braſsicae Linn. Sp. 103. Fig. 7. Leucoſtigma.

I. C. Bock fc.

Phalaen.europ.

Noctuae spiril. dorso crist. Fig.1, mas, fig.2, foem. fig.3, 4, 5, larvae, fig.6, folliculus. fig.7, chrysalis, Oxyocanthae. Linn. Sp.165. Fig.8. Ariae.

I. Bock f.

Fig.1.

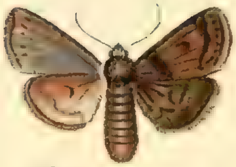


Fig.2.

fig.3.

fig.4.

fig.5.

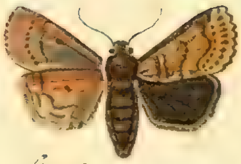


fig.6.

Phalaen. europ.

Noctuae ſpirit. Fig.1. Vaccinii. Linn. Sp.166. Fig.2,3,4,5,6, Varietates ſingulares eiuſd. ſpec.

I.C.Bock fc.

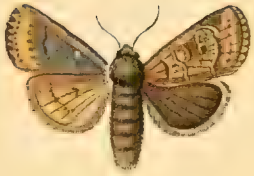


Fig. 1.

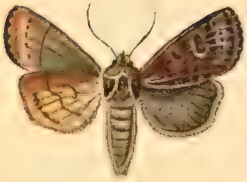


fig. 2.

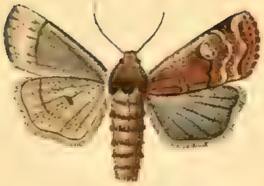


fig. 3.

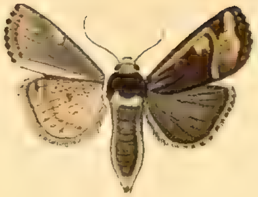


fig. 4

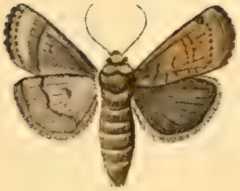


Fig. 5.

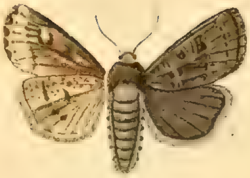


fig. 6.

Phalaen. europ.

Noctuae ſpurit. Fig. 1, 2, 3, 4, Vaccinii Variet. Tab. anteced. Fig. 5 mas, fig. 6 Var.

Caneſcens.

I. C. Bock ſc.

Fig.1.

Fig.2.

Fig.3.

Fig.4.

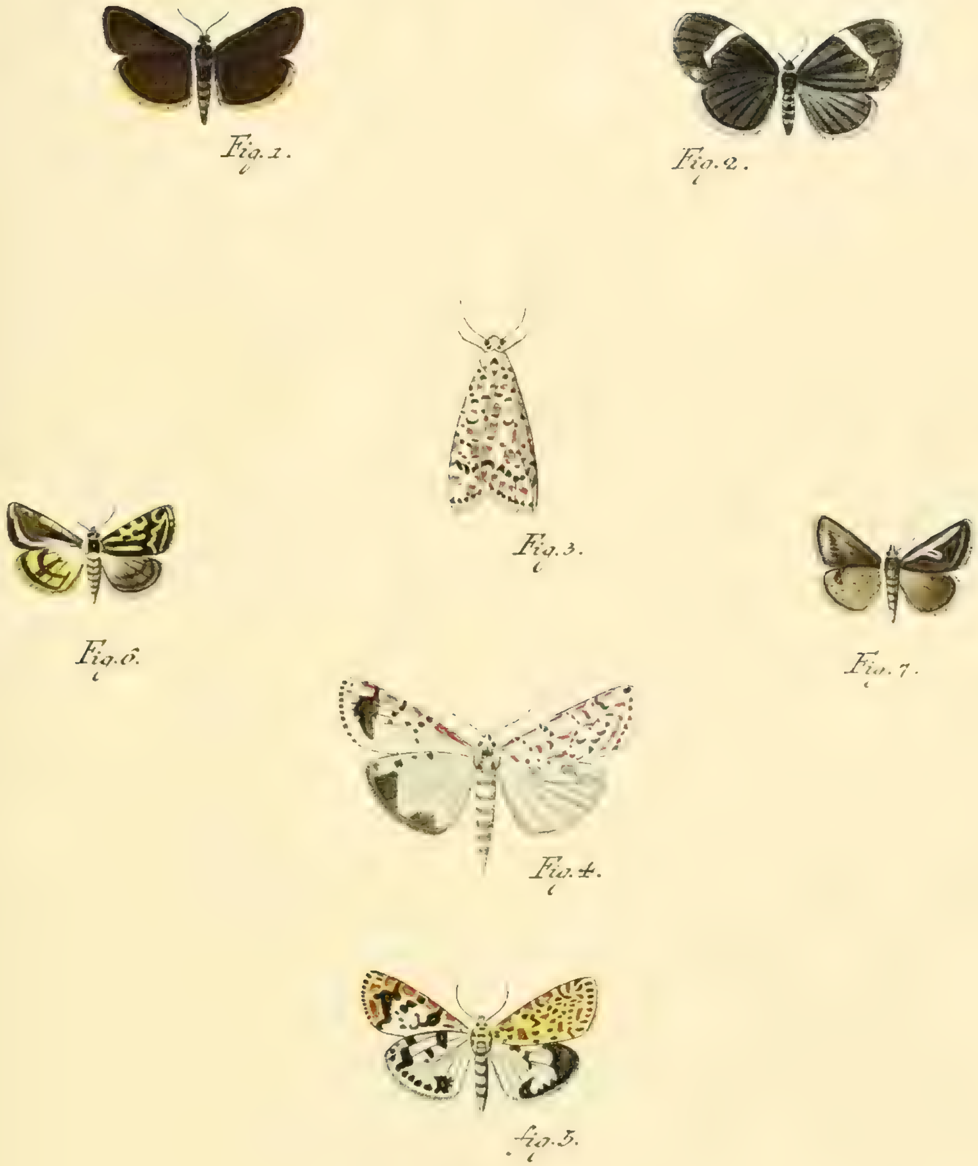
Fig.5.

Fig.6.

Phalaen europ

rtuae pir. dorf. leer. Fig.1, Fasciola. Fig.2, Latruncula. Fig.3, Argentula. Fig.4, Purpurina. Fig.5, Bigutta. Fig.6, Trigutta.

I.C.Bock fc.



Phalaen. europ.

tuae pirit. *Fig. 1. Marginea. Fig. 2. Tibiale. Fig. 3, 4. Pulchra* europ. *Fig. 5. Variet.*

Indiae or. Fig. 6. Sulphurea. Fig. 7. Unca.

I. C. Bock fc.

Phalaen: europ.

Noctuae spirit. Fig.1,2,3. Myrtilli Linn. Sp.167. Fig.4. mas. fig.5. Var. fig.6.7. larvae. fig.8. Chrysal. Oleracea Linn. Sp.171.

I.C.B. sc.

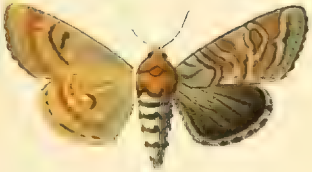


Fig. 1.

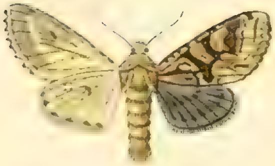


Fig. 2.

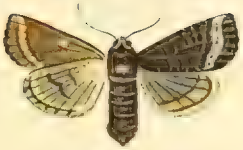


Fig. 3.

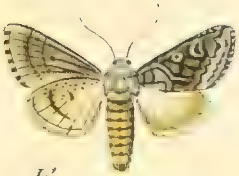


Fig. 4.

Fig. 5.

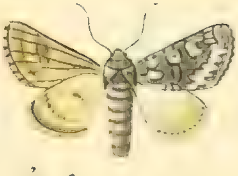


Fig. 6.

Phalaen. europ.

Noctuae spir. Fig. 1. Basilinea. Fig. 2. Spicula. Fig. 3. Ligula. Fig. 4. Serena. Fig. 5. mas. fig. 6. fem. Placida.

I. C. Bock fc.

Phalaen. europ.

ctuae spiril. dor. o. laevi. Fig. 1. 2. larvae, fig. 3. chrys. Fig. 4. mas fig. 5. fem. Pisi, Linn. Sn. 1-2.

Fig. 6. Tricomma –

I. C. Bock.

Phalaen. europ.

Noctuae spir. d. crist. Fig. 1, larva, fig. 2 chrysal. fig. 3 imago, Atriplicis Linn. sp. 173. Fig. 4, larva, fig. 5 chrys. Fig. 6, mas, fig. 7 foem. Praecox, Linn. Sp. 174.

I.C. Bock fc.

Phalaen. europ.

Noctuae ſpir. d. criſt. Fig. 1, mas, fig. 2, larva, fig. 3, chryſ. Triplaſia Linn. Sp. 175. Fig. 4. foem. fig. 5. maris Var. Aſclepiadea. Fig. 6. mas, fig. 7. Variet. fig. 8. 9. larvae, fig. 10. chryſ. Satellitia, Linn. Sp. 176.

I. C. Bock sc.

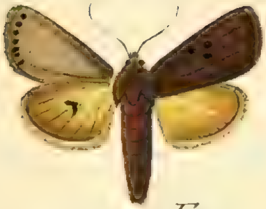


Fig.1.

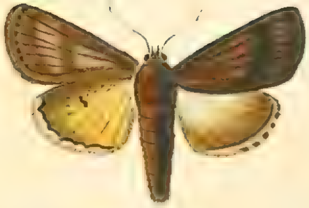


Fig.2.

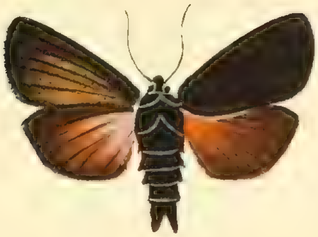


Fig.3.

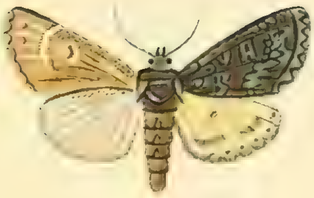


Fig.4.

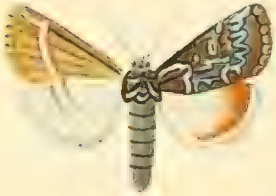


Fig.5.

Phalaen.europ.

Noct. spirit. crist. Fig. 1. mas, fig. 2, foem. Tragopogonis, Linn. Sp. 177. Fig. 3. Scotophila. Fig. 4. Polymita Linn. Sp. 180. Fig. 5. Polyzona.

I. C. Bock sc

Phalaen. europ.

Noct. spir. crist. Fig.1, mas. fig.2, larva, fig.3, chrys. Pyramidea. Fig.4. mas. fig.5, larva, fig.6, chrys. Conica

Fig 1.

fig. 2.

fig. 3.

Fig. 4.

fig. 5.

fig. 6.

Phalaen. europ.

oct. spirit. crist. Fig. 1, mas, fig. 2, foem, fig 3, Var. Dypsacea Linn

Sp. 185. Fig. 4, mas, fig 5, 6, Var. Ononis.

I. C. Bock fc.

Phalaen. europ.

Noctuae *spiril. Fig. 1. mas. Fig. 2. foem. Unigutta. Fig. 3.* denticulosa. *Fig. 4.* Illumina. *Fig. 5.* Xerampelina.

Phalaen. europ.

Noct. spiril. crist. Fig. 1. mas, fig. 2. fem. Lucipara Linn. Sp. 187. fig. 3. larva, fig. 4. chrysal. eiusd. Speciei. Fig. 5. Lancea.

I. C. Bock sc.

Phalaen. europ.

Noctuae spirit. cr. *Fig.1, imago maris, fig.2, 3, larvae, fig.4, chrysal.* *Delphinii*
Linn. Sp. 187. *Fig.5, mas, fig.6, foem.* *Citrago. Linn. Sp. 189.*

I. C. Bock fc.

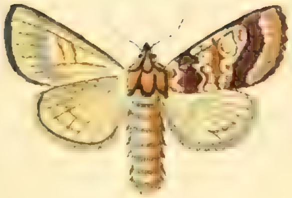


Fig. 1.

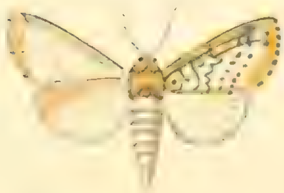


Fig. 2.

Fig. 3.

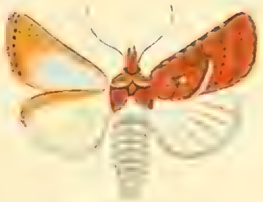


Fig. 4.

Fig. 5.

Fig. 6.

Phalaen. europ.

ctuae spiril. cr. Fig. 1, Flavago. Fig. 2, Gilvago. Fig. 3, mas.
4, foem. Fulvago Linn. Sp. 190. Fig. 5, mas, fig. 6, foem. Fuscago

I. C. Bock sc.

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

Fig. 5.

Phalaen. europ.

Noctuae Sp. cr. Fig. 1. Ochrago. Fig. 2. Perla. Fig. 3. Depuncta Linn. Sp. 191. Fig. 4, 5, Litura, Linn. Sp. 192

I. C. Bock fc.

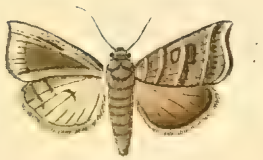


Fig. 1.

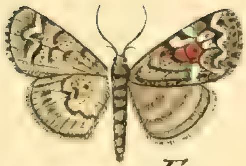


Fig. 2.

fig 3

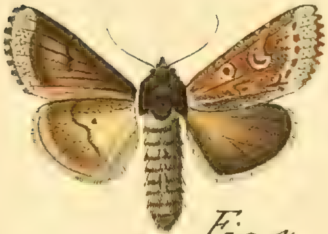


Fig. 4.

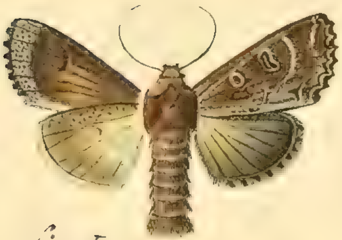


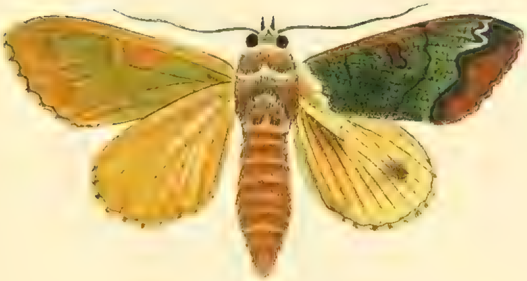
fig. 5.

Fig. 6.

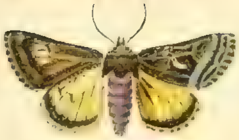
Phalaen. europ.

ctuae -pir. or: Fig. 1. Retu'a. Linn. Sp. 193. Fig. 2, mas, fig. 3,
n. Calvaria. Fig. 4, mas, fig. 5, foem. Advena. Fig. 6. Lucifuga

I.C. Bock fc.

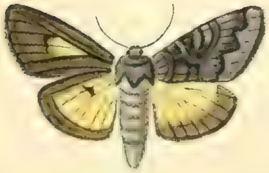


1



2

3



4

Phalaen: europ.

ctuae ſpiril. criſt. *Fig. 1. Veſta Var. (Tab. CXLI. 62) Fig. 2. Hochenwarthii. Fig. 3. Variet. maris. Fig. 4. Ain.*

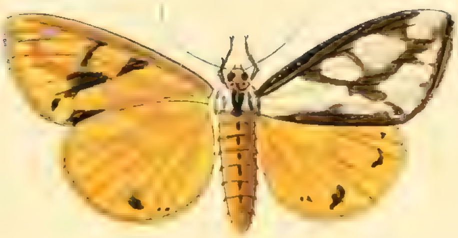
I. C. Bock sc.

Phalaen. europ.

Noctuae spir. *Fig. 1. Donna.* *Fig. 2. Ammonia* *Fig. 3.*
Variet. Indiae orient. *Fig. 4. Scrophulariae. (Tab. CLIV.)*
Fig. 5, Larva. Ph. Octogenae. (Tab. CXXVII. Noct. 49.)

I. C. Bo...

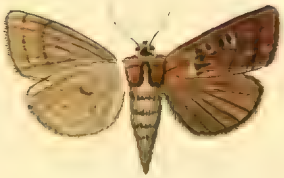
Phalaen. europ.
...tuae spiril. *Fig. 1* Basilinea *Fig. 2. mas, Fig. 3. foem* Chenopodii *Fig. 4. Larva Ph.* Artemisiae
Tab. CXXVIII. Noct. 49.



1

2

3.



4

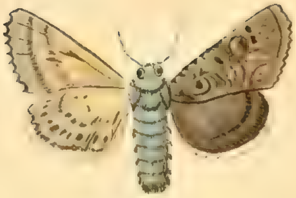
Phalaen. europ.

ct. ſpiril. Fig.1 Clymene. *Fig.2.* Ophiogramma *Fig.3.* Opalina. *Fig. 4.* Haematitedea.

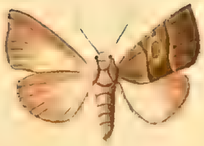
1.

2.

3.



4.



5.

Phalaen. europ.

Noctuae *ſpiril. Fig. 1 mas. Fig. 2 foem. Unigutta. Fig. 3.* denticuloſa *Fig.* . Illunica. *Fig. 5.* Xerampelina.

Phalaen. europ.

ae spiril. cristatae Fig. 1. mas. fig. 2. foem. fig. 3 anteñae maris maior repraes. Fig. 4. Doña *foem*
LXXX.) *Fig. 5 6 7. larvae. fig. 8. añulorum mai. repraes. fig. 9. chrys. id.* Leucomelas, Tab. CVII.

Phalaen europ.

Noct.ſpiril. *Fig. 1. Larva, fig. 2. Semen tritici hyberni a larva exeſum, fig. 3. excrementa larvae. fig. 4. lente aucta. fig. 5 ſectio ſegmenti larvæ. fig. 6. chryſalis.* Dipſacea. *Tab.* CLXXII *Noct. 13. Fig. 7. mas, fig. 8 fœm* Vmbrago. *fig. 9. 10 larvae, fig 11 annulorum major repraeſ. fig. 12. chryſal.* Complana. *Tab.* XCIII. *Noct. 14.*

Volkart: ſc.

Phalaen: europ..

uae *spiril cristatæ Fig.1 mas. fig.2. foem. fig.3. larva. fig.4. chrys.*

ia. *Fig.5.6. larvæ fig.7. chrys.* Fulvago. (*Tab* CLXXVI *Noct.* 07.)

Volkart fc.

Phalaenar. europ.

Noctuae spiril. *Fig. 1. 3. 5. larvae, fig. 2. 4. annulorum maior repraesentatio, fig 6. chrysal. fig. 7. imago maris.* Millegrana *(Tab. 150 Noct. 71.). Fig. 8. 9. larvae, fig. 10. chrys. fig. 11. imago maris* Castanea.

Volkart sc. Nor.

Phalaen. europ.

t ſpirit criſt. *Fig. 1. Larva. fig. 2, chryſal.* *Ph.* Egregiae. (*Tab.* CXIX. *Noct. 40.*)
3. *Ph.* V. Argenteum. *Fig. 4. larva. fig. 5. chryſ.* *Ph.* Luciferae. (*Tab.* CXLII. *N. 63.*)
Fig. 6. larva, fig. 7. chryſ. *Ph.* Luculentae. (*Tab.* CXXXIII. *N. 54.*)

Phalaen. europ.

Noctuae. *Fig 1.* Hohenwarthii (*Tab* CLXXIX. *Noct. 100.*) *Variet. lapponica. Fig. 2* Cordigera. *Fig 3.* Leucoptera. *Fig. 4* Lugubrina. *Fig. 5.* Semicana. *Fig. 6. 7. larvae. fig 8 annul. mai. repraes.* Herae. (*Tab.* LXXXIII *Noct. 4.*)

Phalaen. europ.

Noctuae *Fig. 1.* Lactea. *Fig. 2.* Titania *Fig. 3.* Succinea *Fig. 4. 5. 6. larvae fig. 7. 8. nymphas*
repraes. Fig. 9. imago. foeminae, Phalaene Alni. *Tab.* CXVI. *Noct.* 3.

Phalenar: europ:

Noctuae. *Fig 1*. Candelisqua. *Fig. 2. mas. fig. 3. foem.* Cardui *Fig. 4. mas fig. 5. foem. fig. 6. larva*. Austera.

J. F. Volkart sc.

Phalaenar. europ.

octuae spiril. Fig. 1. Rupicola. Fig. 2. Pyramidina. Fig. 3. 4. Phythevmae
Fig. 5. Cincta.

J. F. Volkart f.

Phalaen. europ.

Noctuae. Fig. 1 Chamomillae *fig. 2. larva. Fig. 3.* Fimbriola. *Fig. 4. 5. Larvae. Ph.* Derasae. *fig. 6. annulor. mai. repraes. (Tab.* CXLII. *Noct. 63.) Fig. 7. Larva aetate iuniori. fig. 8. repraes. fig. a. adulta. Ph.* Batis *(Tab.* LXXXVI *Noct. 7.)*

J. F. Volkart f.

Phalaen. europ.

Noctuae. Fig. 1. mas, fig. 2. foem. Amasia. Fig. 3. mas, fig. 4. foem. Bimaculosa.

1

2

3

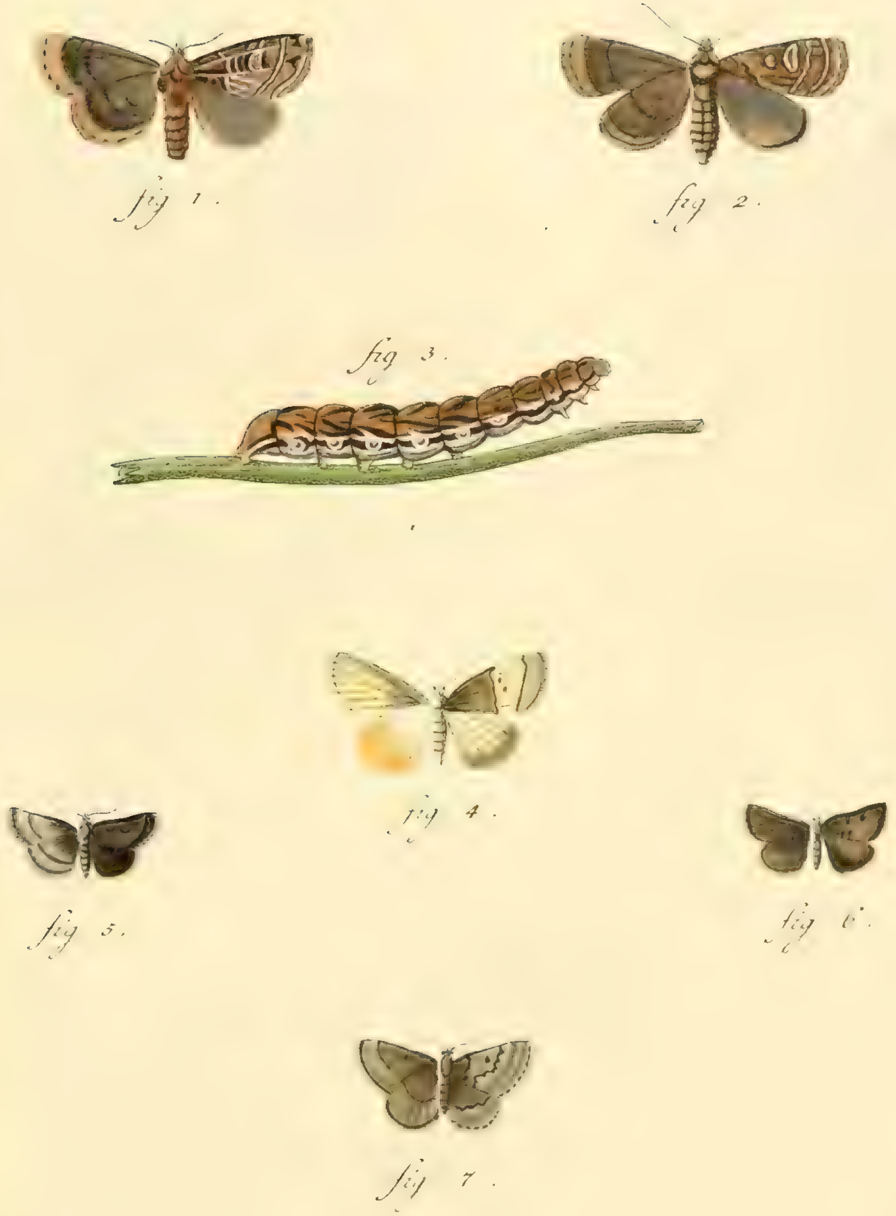
4

Phalaenarum europ.

Noctuae. Fig. 1. Velleda. Fig. 2. Purpurina. Fig. 3. Radiosa. Fig. 4. Malvae.

Phalaenar. europ.

Noctuae Fig. 1. Polypori (Phycis Boleti Fabr.) Fig. 2 mas. fig. 3. foem. Brunneae.
Fig. 4. 5. Pudorina. Fig. 6. 7. Cribriformis. Fig. 8. Carneola.



Phalaen. europ.

Noctuae Fig 1. mas. Fig 2. foem. Fig. 3. larva. Excusa Fig 4. Bicolor Fig 5. mas.
Fig 6. foem. Monedula Fig 7. Coracina.

fig 1.

fig 2.

fig 3.

fig 4.

fig 5.

Phalaen. europ.

Noctuae. Fig. 1 .... Fig. 2. foem. Neonympha. Fig. 3. mas. Fig. 4. foem. Sa-ponariae. Fig. 5. Brecciaeformis.